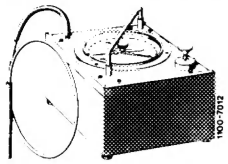
43–023 Testing check valve

Data

Test vacuum in bar	0.75–0.8
Duration of test	30 s
Pressure loss in bar vacuum	0.2

Special tool

Vacuum tester		116 589 25 21 00

Self-made tool

Measuring connection	refer to Fig. item 2, note

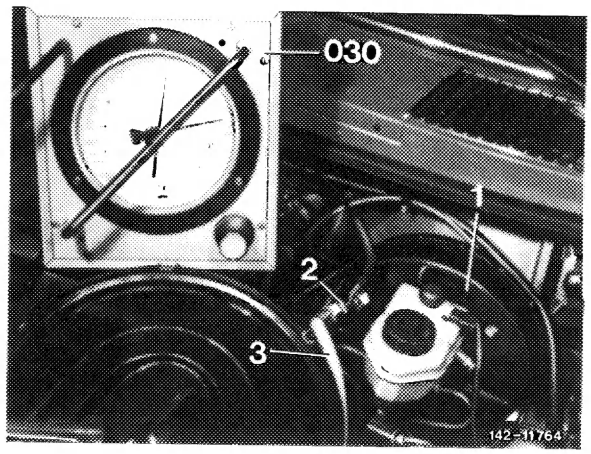
Note

Test check valve in vacuum line for leaks each time the brake booster is renewed.

Checkup

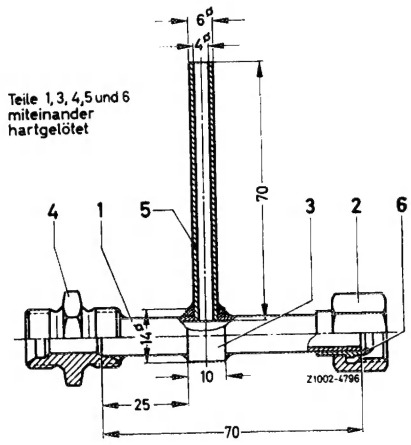
1 Loosen vacuum line (3) on brake booster (1) and connect measuring connection (2) between brake booster and line.

2 Connect vacuum tester (030) to measuring connection (2).



Note: The measuring connection is self-made according to specified dimensions, part 1, 3, 4, 5 and 6 are brazed to each other. For connection to brake booster, the pipe section and coupling nut of an old vacuum line may be used. Connection to vacuum line is made by means of a screw connection.

3 Run engine and establish a vacuum of 0.75—0.8 bar by accelerating and suddenly releasing accelerator pedal.



4 Test check valve for leaks. The available vacuum should not drop by more than 0.2 bar in 30 seconds. If the vacuum loss is higher, replace check valve including vacuum line.

Note: Repeat leak test upon installation of a new vacuum line. If the pressure loss is still too high, the leak may be caused by damaged screw connections or a leaking brake booster.